

Ambrosia Lake Mill, NM (Phillips Petroleum)

under Uranium Mill T Remediation Act
(UMTRA)

9121517





Ambrosia Lake (Phillips Petroleum) Mill Site

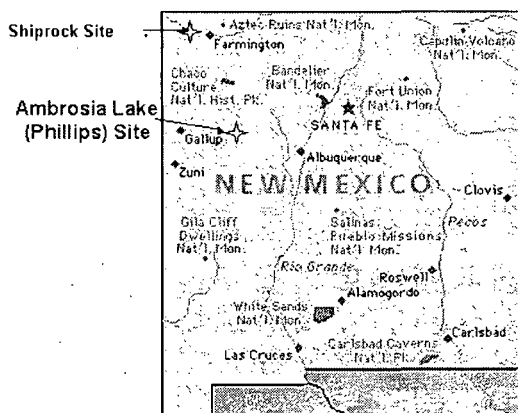
Ambrosia Lake (Phillips Petroleum) Mill Site

McKinley County, New Mexico

closed in 1982

Years of Operation			Status of Mill or Plant Site	Uranium Ore Processed (Million Short Tons)	Production (Million Pounds U ₃ O ₈)
1958-1963			Decommissioned	3.05	13.02
Remediated Mill/Plant Area (Acres)	Disposal Cell Area (Acres)	Disposal Cell Radioactive Waste Volume (Million Cubic Yards)	Disposal Cell Total Radioactivity (Ci, ²²⁶ Ra)	Disposal Cell Average Tailings Radioactivity (pCi/g, ²²⁶ Ra)	UMTRA Project Final Cost (Million Dollars)
288	91	5.20	1,850	571	39.96

Notes: Uranium Ore Processing and Production are estimated based on historical data. Production does not include uranium recovered from treatment of waste mine water. Remediated Mill/Plant Area does not include remediated areas adjacent to the mill site. Radioactivity from radium-226 in the stabilized mill tailings is stated as total curies (Ci) and as average picocuries per gram (pCi/g) of tailings. A picocurie is 0.037 radioactive disintegrations per second. Radium-226 (1620 year half-life) is a decay product in the uranium-238 series. It undergoes radioactive decay to produce radon-222, which is a noble gas, an alpha emitter, and the longest-lived isotope of radon (half-life of 3.8 days).



Location: The Phillips mill site is located in the Ambrosia Lake Valley about 25 miles north of Grants, New Mexico. It is one of two uranium mills that were operated in the valley. A total of five mills were built between December 1956 and December 1959 in the Ambrosia Lake district of the uranium mining area known as the Grants mineral belt, which extends from near Albuquerque, New Mexico, westward for about 100 miles across the southern margin of the San Juan Basin.

Background: Phillips Petroleum Company began construction of the mill in 1957, and it entered operation in mid 1958. The company had signed a contract with the U.S. Atomic Energy Commission (AEC) in September 1957 for a mill at Grants, New Mexico. The original mill site covered about 200 acres. Over time, about 570 additional acres were impacted by the spreading of radioactively contaminated debris from the mill tailings pile by wind and rainwater erosion. A conventional alkaline leach process was used at the mill from June 1958 to April 1963. During its operating years, the mill processed about 1,800 tons of ore per day that averaged 0.23 percent U₃O₈, and generated some 3

million tons of tailings. Ore for the mill came mainly from underground mines in the Ambrosia Lake district. United Nuclear Fuels Corporation (UNC) purchased the Phillips mill and uranium mine properties in February 1963, and the AEC uranium procurement contract with Phillips was transferred to UNC. In March 1963, ore processing at the Phillips mill was ended and the mill was closed by mid year. In June 1995, UNC arranged for toll milling of its ore at the nearby Homestake-Sapin mill in which UNC was a limited partner. About 400,000 tons of tailings materials from the Phillips mill site were eventually used by UNC for backfilling mines, and in early 1981 about 2.6 million tons of tailings-pile materials remained at the mill site. The tailings lie on unconsolidated valley fill material. A thick, impervious shale formation separates the tailings from the confined groundwater aquifers. Contamination of the aquifers by the tailings material is highly unlikely. The Phillips mill did not operate after March 1963, though it was maintained on a stand-by basis. From the mid 1970s until the Phillips mill site was permanently closed in 1982, a resin ion exchange (IX) plant to recover uranium from waste mine water was operated in the main mill building. This operation did not increase the size of the tailings pile stored at the mill site. The IX product was treated at the nearby United Nuclear-Homestake uranium mill at Grants, New Mexico.

*Phillips Petroleum mill
US AEC mill*

*1963
UNC mill & mine*

UMTRA Surface Remediation: Phase I

remedial activities comprised the construction of decontamination facilities, removal of asbestos materials, demolition of mill buildings, and other site preparation activities. This work was completed between July 1987 and April 1989. In Phase II, contaminated materials, including structural debris from the dismantled mill, soil, and other radioactive materials from the site, were placed in the existing tailings pile. Cleaned up areas were backfilled with clean soil, re-contoured for good drainage, and re-vegetated. The north portion of the tailings pile was "folded" onto the top of the south portion of the original pile, burying the contaminated material added to the pile. Cleanup of windblown material began in 1994. During the project, 5 vicinity properties associated with this mill site were cleaned up.

Disposal Area: The final tailings pile, consisting of mill tailings with the added contaminated materials, was stabilized in place and became the site disposal cell. A multilayered soil-and-rock cap varying from 3.5 to 4.0 feet in thickness covers the cell to assure cell longevity, control radon emanation, and protect against erosion: a 2.5 foot thick compacted sandy-clay layer serves as the radon barrier and minimizes rain water infiltration and potential leaching of contaminated material; a 6-inch thick, a granular bedding layer of crushed-stone protects the radon barrier; and an erosion-protection layer of up to 12 inches of riprap material tops the cell. The disposal cell was closed in July 1995. It was licensed by the Nuclear Regulatory Commission (NRC) in September 1998. The Phillips mill site came under a general license for custody and long-term care in 1998, when NRC agreed that the site met the cleanup standards and accepted the proposed long-term surveillance plan.

Responsibility for Remediation: U.S. Government, 90 percent ; State of New Mexico, 10 percent.

Stewardship: The Phillips Ambrosia Lake disposal cell site is being managed under the U.S. Department of Energy's Long-Term Surveillance and Monitoring Program in accordance with the approved site specific plan.

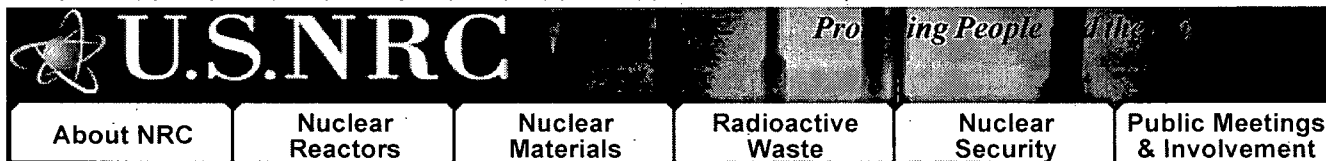
Groundwater Program: No groundwater remediation was performed under the UMTRA program at the Phillips mill site, and none is planned. Groundwater monitoring is not required, as the supplemental standards (Title 10, CFR, Part

192.22) have been applied for this site. The uppermost aquifer at the site is considered a "limited use" aquifer and is not suitable for drinking water nor a source of irrigation water because of low yield.

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Page last modified on 10/09/2005 20:24:24

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Rio Algom - Ambrosia Lake

1.0 Site Identification

Location: Grants, NM
License No.: SUA-1473
Docket No.: 40-8905
License Status: Possession Only License
Project Manager: Tom McLaughlin

2.0 Site Status Summary

This is a uranium mill tailings site in the Ambrosia Lake uranium district of New Mexico. It is located approximately 25 miles north of Grants, New Mexico. The tailings impoundment contains 33 million tons of uranium ore and covers an area of approximately 370 acres.

The site status changed from standby to reclamation in August 2003 to reflect the licensee's intent to begin full demolition and reclamation of the site leading to termination of the specific license. The mill was demolished and disposed of in the tailings impoundment in late 2003. The demolition was completed in accordance with a mill demolition plan approved by NRC in October 2003. The staff issued a license amendment for alternate concentration limits (ACLs) at the site in February 2006. Consequently, all groundwater corrective actions have been discontinued, and Rio Algom is finalizing the site tailings reclamation. A portion of the tailings impoundment is still open for disposal of Atomic Energy Act, Section 11e.(2) byproduct material. A final soil DP entitled, Closure Plan - Lined Evaporation Ponds (Relocation Plan) was submitted to the NRC in November of 2004, and partially approved. A portion of the report, pertinent to the "Section 4" and Pond 9 evaporation pond sediment material has been reviewed and approved. The final licensing action will be the approval of a redesigned channel. The cost for decommissioning is estimated to be approximately \$18 million.

3.0 Major Technical or Regulatory Issues

4.0 Estimated Date For Closure

01/01/2010

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Friday, October 31, 2008

Uranium Mining - We are The ALLIANCE....with SCC and All Concerned Citizens

Single acts of tyranny may be ascribed to the accidental opinion of a day; but a series of oppressions, begun at a distinguished period, and pursued unalterably through every change of ministers, too plainly prove a deliberate systematical job of reducing us to slaves." --Thomas Jefferson

THURSDAY, OCTOBER 30, 2008

Ambrosia Lake (Phillips Petroleum) Mill Site

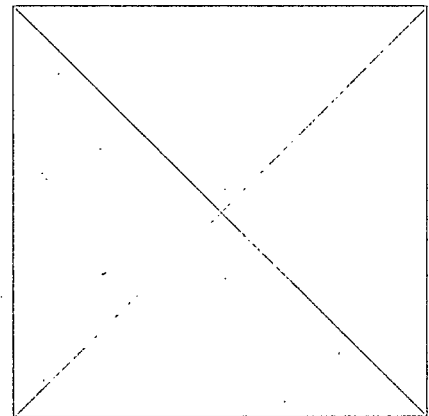
This article and the 2 below it all relate to the same place. This one, from the Dept of Energy, was last modified in October, 2005. The other 2 were written in 2008, the first in March, 2008 and the 2nd in October, 2008. A photo of the tailings mound is above.

Location: The Phillips mill site is located in the Ambrosia Lake Valley about 25 miles north of Grants, New Mexico. It is one of two uranium mills that were operated in the valley. A total of five mills were built between December 1956 and December 1959 in the Ambrosia Lake district of the uranium mining area known as the Grants mineral belt, which extends from near Albuquerque, New Mexico, westward for about 100 miles across the southern margin of the San Juan Basin.

Background: Phillips Petroleum Company began construction of the mill in 1957, and it entered operation in mid 1958. The company had signed a contract with the U.S. Atomic Energy Commission (AEC) in September 1957 for a mill at Grants, New Mexico. The original mill site covered about 200 acres. Over time, about 570 additional acres were impacted by the spreading of radioactively contaminated debris from the mill tailings pile by wind and rainwater erosion. A conventional alkaline leach process was used at the mill from June

Hurricane Fran, Flood Of '96

Raw home video of the flood in the Coles Hill area. TO WATCH THIS VIDEO FULL SCREEN, PRESS PLAY, THEN LEFT DOUBLE CLICK IN THE MIDDLE OF THE SCREEN. THIS WILL TAKE YOU TO YouTube WHERE YOU CAN WATCH IT FULL SCREEN: IT'S MUCH EASIER TO READ THE TRANSITION SCREENS THIS WAY.



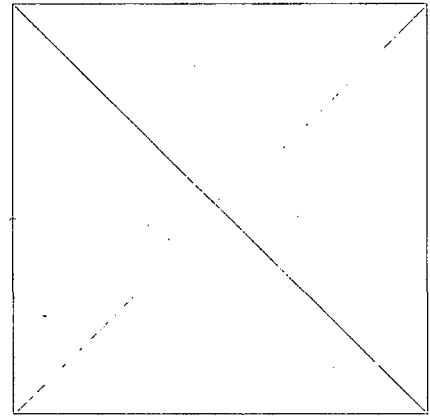
Uranium Mines & Mills Throughout The World

What would happen if there was

1958 to April 1963. During its operating years, the mill processed about 1,800 tons of ore per day that averaged 0.23 percent U_3O_8 , and generated some 3 million tons of tailings. Ore for the mill came mainly from underground mines in the Ambrosia Lake district. United Nuclear Fuels Corporation (UNC) purchased the Phillips mill and uranium mine properties in February 1963, and the AEC uranium procurement contract with Phillips was transferred to UNC. In March 1963, ore processing at the Phillips mill was ended and the mill was closed by mid year. In June 1995, UNC arranged for toll milling of its ore at the nearby Homestake-Sapin mill in which UNC was a limited partner. About 400,000 tons of tailings materials from the Phillips mill site were eventually used by UNC for backfilling mines, and in early 1981 about 2.6 million tons of tailings-pile materials remained at the mill site. The tailings lie on unconsolidated valley fill material. A thick, impervious shale formation separates the tailings from the confined groundwater aquifers. Contamination of the aquifers by the tailings material is highly unlikely. The Phillips mill did not operate after March 1963, though it was maintained on a stand-by basis. From the mid 1970s until the Phillips mill site was permanently closed in 1982, a resin ion exchange (IX) plant to recover uranium from waste mine water was operated in the main mill building. This operation did not increase the size of the tailings pile stored at the mill site. The IX product was treated at the nearby United Nuclear-Homestake uranium mill at Grants, New Mexico.

UMTRA Surface Remediation: Phase I remedial activities comprised the construction of decontamination facilities, removal of asbestos materials, demolition of mill buildings, and other site preparation activities. This work was completed between July 1987 and April 1989. In Phase II, contaminated materials, including structural debris from the dismantled mill, soil, and other radioactive materials from the site, were placed in the existing tailings pile. Cleaned up areas were backfilled

massive flooding (such as Hurricane Fran) and Coles Hill had 2 open pits, each as big as what you will see in these photos?



MARK YOUR CALENDARS!

PUBLIC URANIUM MINING & MILLING EDUCATIONAL SEMINARS

**November 7th
TO BE RESCHEDULED
7:30 PM**

Community Center At Chatham
115 S. Main St.
Chatham, VA 24531

***We will be sending personal
invitations to ALL publicly
EIECTED OFFICIALS, County,
Towns, and Cities, inviting
them to attend. Come & see
who shows up! The 1st
several rows of the audience
area will be reserved for them.***

**November 8th
7:00 PM**

Chatham Community Center
115 S. Main St.

with clean soil, re-contoured for good drainage, and re-vegetated. The north portion of the tailings pile was "folded" onto the top of the south portion of the original pile, burying the contaminated material added to the pile. Cleanup of windblown material began in 1994. During the project, 5 vicinity properties associated with this mill site were cleaned up.

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Groundwater Program: No groundwater remediation was performed under the UMTRA program at the Phillips mill site, and none is planned. Groundwater

Chatham, VA 24531

The Dan River Basin

Association is pleased to welcome Douglas M. Brugge, PhD, MS.

Brugge

(pronounced "Briggy") is an Associate Professor in the Department of Public Health and Family Medicine at Tufts University School of Medicine in Boston and his credentials include a PhD in cellular and developmental biology from Harvard University and an MS in industrial hygiene from the Harvard School of Public Health. He also has testified before the House Committee on Oversight and Government Reform about uranium issues (2007).

"Our association is pleased to sponsor presentations by credible experts in science and public health regarding our country's experience with uranium mining," said Katherine K. Mull, executive director of the Dan River Basin Association. "We hope this will be responsive to the needs of residents, businesses and public officials who seek solid information and the opportunity to learn from the experiences of others."


November 14th

7:00 PM

Altavista YMCA

monitoring is not required, as the supplemental standards (Title 10, CFR, Part 192.22) have been applied for this site. The uppermost aquifer at the site is considered a "limited use" aquifer and is not suitable for drinking water nor a source of irrigation water because of low yield.

http://www.eia.doe.gov/cneaf/nuclear/page/umtra/ambrosia_title1.html

Posted by Smidgen at 8:52 PM 

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718 7th St

Altavista VA 24517

We would like to thank the Brotherhood of St. Andrew, the sponsor of this event.

Due to popular demand, The Brotherhood tried to arrange a debate between SCC & VUI for November 21st. VUI declined, but said that they would be happy to do a presentation. The Brotherhood contacted SCC and asked if we would do the same with audience Q & A after, moderated by a neutral party. SCC said yes. VUI declined. They will not share the stage with SCC. Hence, we will present without them on this date.

November 21st

CANCELLED

7:00 PM

Altavista YMCA

718 7th St

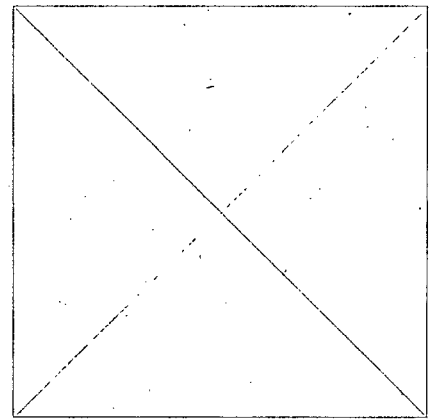
Altavista VA 24517

VUI's public presentation sponsored by the Brotherhood of St. Andrew. I encourage everyone to attend this public seminar by VUI. I'm sure it will be very educational. If VUI allows time for an audience Q & A, you may be able to get your questions answered directly by them and from their experts. This is VUI's alternative to sharing the stage with SCC. To hear both sides of the issue, I

**encourage you to attend both
November Altavista YMCA
seminars.**

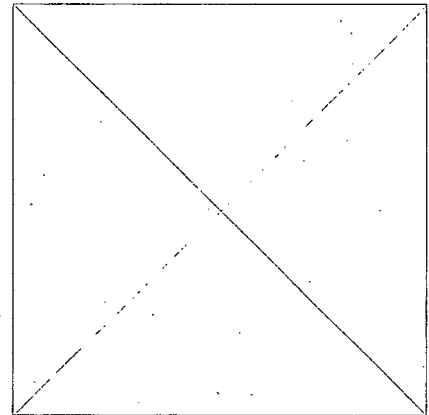
**APPARENTLY THEY DO NOT
WANT TO DO A PUBLIC
PRESENTATION?**

**There Is No Energy
Crisis, There is a Crisis
of Ignorance**

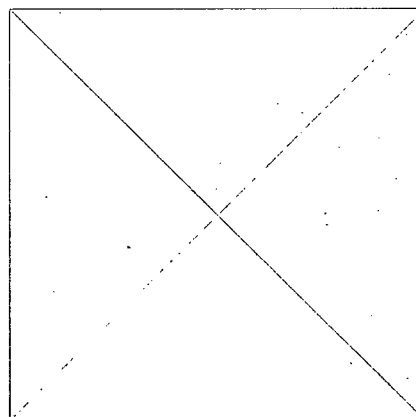


Vertigro

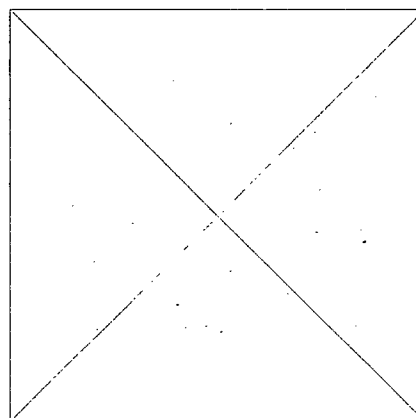
**This is an achievable energy
source WITHOUT fossil fuels,
or the HAZARDS of uranium
mining!**



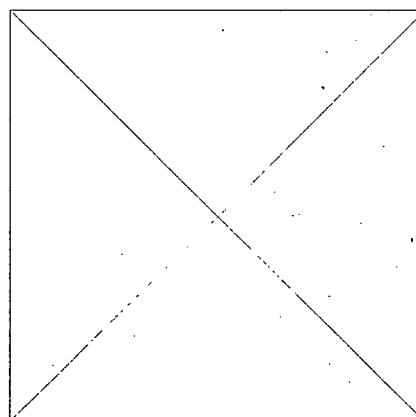
Salt Water Fuel



**HARNESSING THE
POWER OF WAVES &
TIDES**

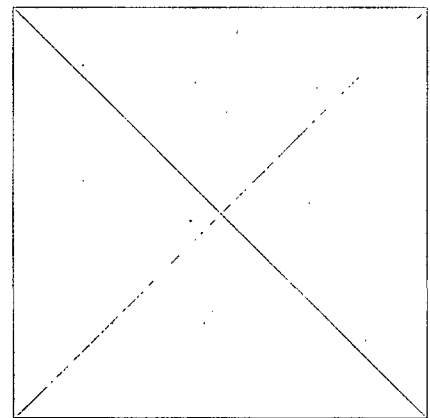


**Alternative Energy:
Wave-Powered Ocean
Energy Technology**



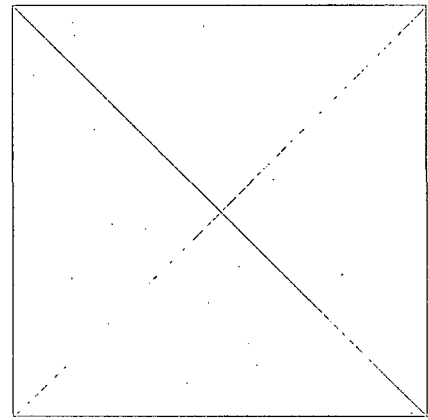
What's Behind Uranium Mining And Milling In Virginia

To watch this movie full screen, click in the center of the player. This will take you to the movie at YouTube. Click the lower right corner of the player at YouTube. This will give you a full screen view.



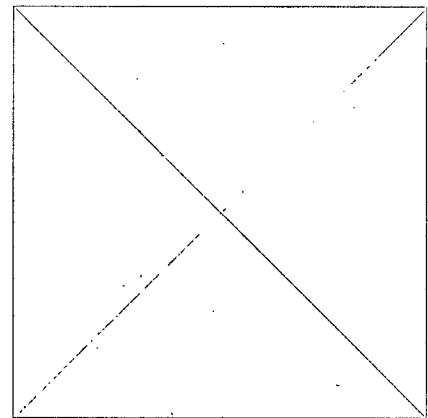
VUI and the General Assembly

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Part 3 Candian Company?

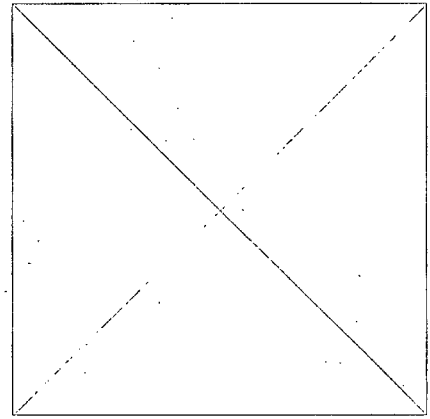
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Part 4 - VUI's Advertised Goals

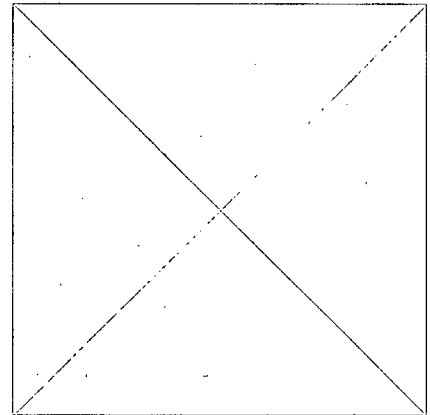
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will give you a full screen view.



Part 5 - Vui's True Goals per Their Prospectus

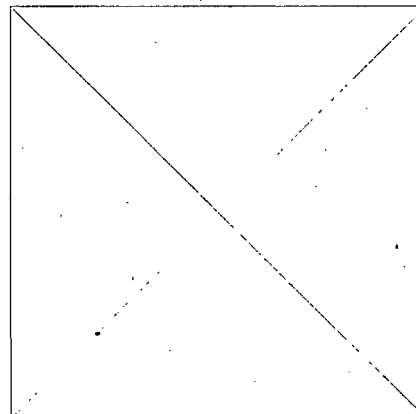
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Part 6 A - VUI's Risks

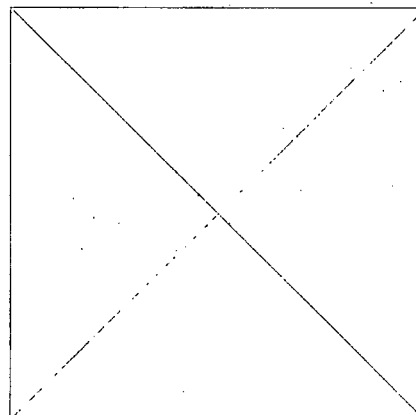
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Part 6 B

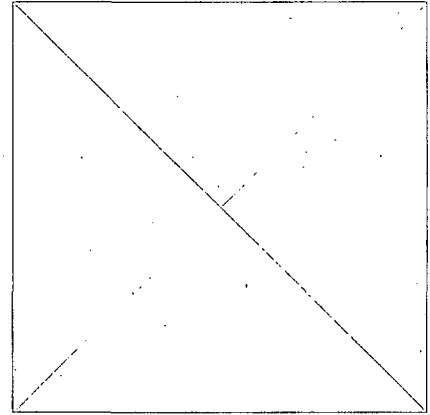
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Part 7 - Tech & Types of Mining

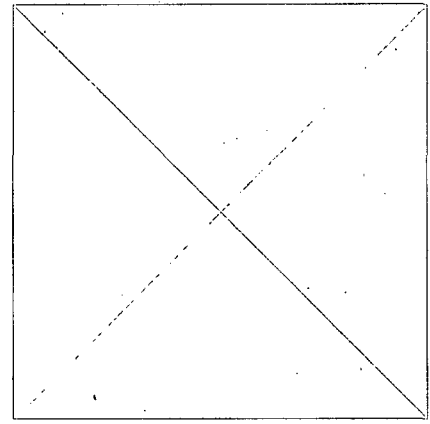
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the player. This will take you to the movie at YouTube. Click the lower right corner of the player at YouTube. This will give you a full screen view.



PIT MINING BLASTS

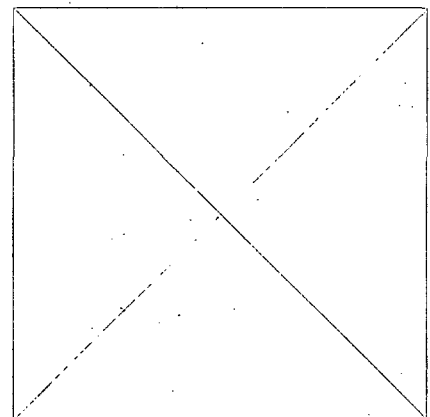
This is how open pit mining is done. This dust will go into our air and settle on our land AND in our water. This is the first step in a chain of events that will pollute our environment. We will breathe, eat, and drink this poison. It will cause cancer and a host of other health problems slowly, over time. The build up of radioactive elements, lead, arsenic, and other heavy metals is accumulative. THIS DUST KILLS! MINING AND MILLING OF URANIUM MUST NEVER HAPPEN IN VIRGINIA!



**CLICK THE MENU BUTTON
ON THE BOTTOM RIGHT OF
THE MOVIE PLAYER
SCREEN TO VIEW A
VARIETY OF CLIPS**

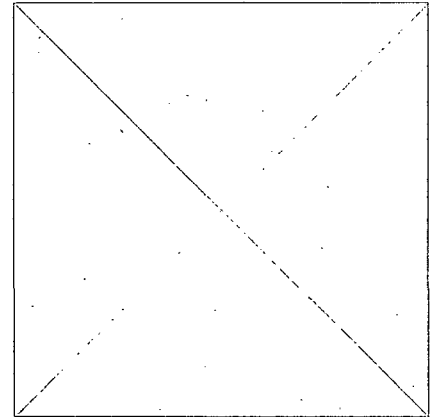
**Part 8 A - SCC's
Concerns**

*To watch this movie full
screen, click in the center of
the player. This will take you
to the movie at YouTube.
Click the lower right corner of
the player at YouTube. This
will give you a full screen
view.*



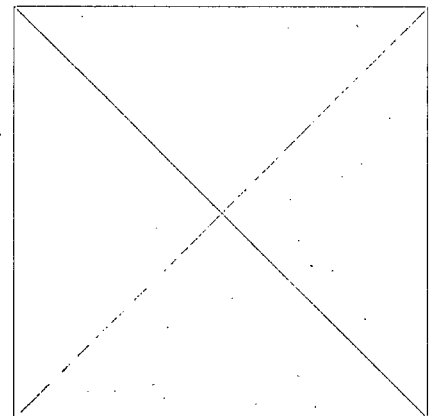
**All That Glitters is not
Gold**

you posed a theory, then
designed an experiment to
prove it true or false. THIS
EXPERIMENT HAS THE
POTENTIAL TO KILL!



Part B - SCC's Concerns

*To watch this movie full
screen, click in the center of
the player. This will take you
to the movie at YouTube.
Click the lower right corner of
the player at YouTube. This
will give you a full screen
view.*



**SUBSCRIBE Here and
get daily updates (TURN
OFF pop up blocker,
register, then turn it back**

Why is SCC and the Alliance concerned about uranium mining and milling in Virginia? This short film really sums it up! It's about the Olympic Dam uranium mine in South Australia. Their plight mirrors our own if uranium mining and milling EVER takes place in Virginia. URANIUM MINING & MILLING HAS NEVER BEEN DONE SAFELY ANYWHERE IN THE WORLD! WHILE SOME SAY THAT THEY WANT (AND NEED) A "STUDY", THE ONLY TRUE INFORMATION CAN COME FROM WHAT HAS HAPPENED IN THE PAST. Studying "how" to mine and mill uranium in Virginia is much different than studying "should". we mine and mill uranium in Virginia. REMEMBER: All uranium mining and milling has been done with the "latest technology" since its inception. ALL OF THAT TECHNOLOGY HAS FAILED! Since mining and milling has NEVER been done in an area with our population (OVER 500,000 people within 120 miles of the proposed mine and milling operation and many, many more down stream to the Atlantic Ocean) and our net precipitation (greater than evaporation) any "study" of "how" to mine and mill uranium in Pittsylvania County, or anywhere else in Virginia, will be a THEORY. AN EXPERIMENT! Remember your school days? In science class

on).

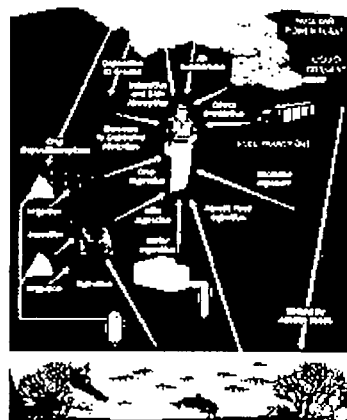
Enter your email address:

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**KEEP UP WITH THE SPOT
PRICE OF URANIUM. CLICK
HERE.**

**How Radiation Gets Into
Your System**



This is a chart showing you how uranium mining & milling dust and leaching enters our environment causing you to breathe and ingest it.

**RADON QUESTIONS?
ASK RADON DALE!**



1276 Jackson Road • Forest, Va. 24531
Radon Testing and Remediation
www.radonfree.net

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Email: RadonDale@Verizon.net FAX (434) 525-7387

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their web site

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Community Fights vs
Uranium Mining**

[CCNR](#)

[CELDF](#)

[Chatham Views](#)

[Coloradans Against
Resource Destruction
\(C.A.R.D.\)](#)

[Defenders of the Black Hills
\(South Dakota\)](#)

[Mining Law Reform](#)

[Nuclear Free NB](#)

[Piedmont Environmental
Council](#)

[Powertech Exposed](#)

[SCC Against Uranium](#)

[Sierra Club Virginia
Chapter](#)

[Southern Environmental
Law Center](#)

[The Goliad Project \(Texas\)](#)

[The Virginia Coservation
Network](#)

[Uranium on the Cranium
Wise Uranium](#)

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ALLIANCE? JOIN OUR
LISTSERVE HERE!**

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Wise Uranium Slide Show

Click here to watch a 45 minute slide show that details uranium mining, tailings management, and dangers of mining and milling uranium. As you watch this slide show, keep in mind that the deposit at Coles Hill is estimated to contain 110 MILLION pounds of uranium ore. This means that approximately 74 MILLION POUNDS (30,579 TONS) of waste rock will be produced. This waste rock (Tailings) will have to be contained/disposed of for at least 1,000 years! Wise Uranium Slide Show

Join the Fight!

1. Sign our On-line Petition (below)
2. Vote in our On-line Poll (below)
3. Educate yourself with info here
4. Participate in SCC activities
5. Join our EmailAlert list- email to sccchatham@yahoo.com
6. Tell your legislators what you think (below)

7. Collect signatures on our
Petition(Below, "Links to
Documents")

8. Spread the word

9. **CONTRIBUTIONS NEEDED!**

***Tax-deductible 501 C-3 Non-
Profit***

***Send checks payable
to "Southside Concerned
Citizens", C/O Wallace Nunn,
Treasurer, PO Box 178,
Virgilina, VA 24598-0178***

**What is.....Southside
Concerned Citizens !!!**

**Southside Concerned
Citizens is a 501 (c)-(3) non-
profit corporation formed in
1983 by residents of
Pittsylvania, Halifax, and
Henry counties of Virginia
with the goal of preseving the
quality of life in our
communities.**

**The impetus in 1983, as now,
was the impending desire of
local and multi-national
corporations to mine uranium
in Pittsylvania county,
initially. We oppose this and
any exploratory drilling
because we know that *it*
*cannot be done safely!***

**We also oppose it because of
the burden of the
environmental clean-up that
will be placed on our local
communities and state when**

the mine companies cease their operations. We oppose it because of the extremely negative economic and social impact it will have on our fragile local economies. And, we oppose it because of the disastrous effect it will have on the esthetics of our beautiful, bountiful lands. Join us...Stop this madness....Say as we do..."Heck No, We Won't Glow".

Our current Executive Board Chairman is Jack Dunavant of Halifax, VA (jack@halifax.com) and our Treasurer is Wallace Nunn of Halifax, VA (wallace@cstone.net) . Gregg Vickrey of Chatham, VA (sccchatham@yahoo.com) is an Executive Board member and Chairman of the Chatham/Pittsylvania County Chapter of SCC.

**GET YOUR "NO
URANIUM" WINDOW
SIGN HERE**

[http://www.mediafire.com/?
dntjpziuyiv](http://www.mediafire.com/?dntjpziuyiv)

**Sign Our On-line
Petition! (click link below)**

"Heck No, We Won't Glow"

**Example: Open Pit
Uranium Mine, Ranger,
Australia**



Coming Soon to Chatham, VA?

**Yard Signs Signs Now
Available!**

To get your Anti-Uranium
Mining Yard Signs, contact Tim
& Georgie at (434) 432-2380.
\$10 each.

URANIUM---The Movie !!

If you care about Pittsylvania
County.....

If you care about who gets to
make the decisions that affect
you and your family.....

If you care about what all
the "buzz" is about.....

If you care.....

**scroll to the bottom of this
page and take the time to
watch the excellent
documentary, Uranium. It
lasts about 1 hour.**

This movie is presented for

educational purposes only. Do not exhibit this movie commercially without the expressed written permission of the copyright holder. To order this movie, please [click here](#).

**Contact Your
Elected/Appointed
Officials**

**Pittsylvania County Bd of
Supervsrs-2008 Emails**

**Chatham Town Council-
2008 Phones**

**Pittsylvania Bd of Zoning
Appls-2008 Phones**

**Pittsylvania Planning
Comm-2008 Phones**

**Danville City Council-2008
Emails**

**Halifax County Bd of
Supevsrs-2008 Emails**

**Halifax Town Council-2008
Emails**

**Halifax State Legislators-
2008 Emails**

**Martinsville City council-
2008 Emails**

**Henry County Bd of
Supvsrs-2008 Emails**

Senators-2008 Phones

**House of Delegates-2008
Phones**

**Senate Rules Comm-2008
Emails**

**Senate Agriculture Comm-
2008 Emails**

**House Rules Comm-2008
Emails**

Senators-2008 Phones

**Send Your letter to the
Editor Statewide**

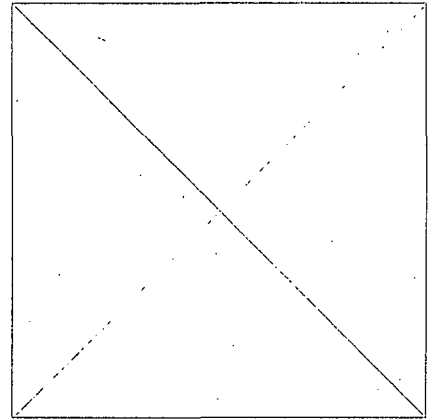
***Have your thoughts, feelings,
and opinions heard
Statewide!! Click on the link
below to access newspapers
across the state! Follow
instructions to send your
letter to as many as 17
different newspapers!***

**[http://www.mediafire.com/
?uovnmyp2srt](http://www.mediafire.com/?uovnmyp2srt)**

Poison Dust

It is said "all uranium winds up as weapons". Most people think that this means bombs. Fact is, depleted uranium (DU), the stuff left over from power plants, is used to make many weapons. These weapons kill and destroy cells creating cancer, birth defects, and many other illnesses in our "enemies" AND OUR OWN TROOPS. The dust created by mining and milling uranium does the same things to people at the beginning of the nuclear cycle as it does at the end of the cycle when the DU is used in ammunition. URANIUM AND RADIOACTIVITY IS TRULY THE GIFT THAT KEEPS ON GIVING - FOREVER! Is

nuclear energy really worth all of the death and devastation to the environment? We should be concentrating on wind, solar, and hydro! The following movie, in four parts, will show you what happens to the DU that is not stored at the operating nuclear power plants.



CLICK THE MENU BUTTON
ON THE BOTTOM RIGHT OF
THE PLAYER TO CYCLE
THROUGH THE MOVIES

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Links to Documents

[Halifax Town Council
Resolution 12-10-07](#)
[Map of Coles Hill area](#)
[Orange County Resltn 12-
18-07](#)
[Our IRS 501 \(c\) \(3\) Status
letter](#)
[Petition](#)
[Roanoke River Basin Bi-
State Advisory Comm](#)
[SCC ltr to Pitt BOS re
Waste Ord 12-31-07](#)
[VA House of Delegates-
Phones](#)
[VA State Senators-Phones](#)
[VUI Special Use Permit
Appl 11-28-07](#)

Blog Archive

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[Lobbyists don't guide anything](#)

[Virginia Beach, Lobbying Firm Part Ways Over Urani...](#)

[Congressional subcommittee issues report on nuclea...](#)

[Copy of Halifax Chamber Uranium Study Group's Repo...](#)

[Halifax Chamber Presents Uranium Study Concerns](#)

[Del. Merricks Supports Uranium Study](#)

[Nuclear Plant's Cost Sticker Shock F or Alabama](#)

[Va. Plans Study of Uranium Mining: A Pittsylvania ...](#)

[Hearing Coming on Uranium](#)

[Local Lawmakers Speak Out on Uranium Mining Study](#)

[Panel Starts Groundwork on Va. Uranium Mining Stud...](#)

[ENVIRONMENT: Public Has Say on Virginia Uranium St...](#)

[Gretna Urged to Adopt Chemical Trespass Ordinance ...](#)

[Public To Have Say on Pittsylvania County Uranium ...](#)

[Pittsylvania Uranium Deposit to be Assessed; VUI T... Governor Kaine says](#)

Pittsylvania County

Uranium St...

Halifax Applauds Va.

Beach [Anti- U Mining]

Resolu...

Whirlwind [CO] Uranium

Mine Temporarily

Closed

\$3.3 Billion Contract

Given for Savannah

River [Nu...

SC DHEC Under Fire;

Keeps Nuclear Leak

Info Secret...

EPA, HAB Concerned

Over DOE Deadlines

Judges Rule in Favor of

Petitioners [Against U

Min...

Plans Mooted For

Uranium Studies at US

Institutes

800,000 People [Take a

Seat at the Table]

Lobbyists Mine Both

Sides on Uranium

[The Uranium Mining

Study] Leaving No

Stone Untur...

Watch the Dec. 2

Virginia Beach City

Council Meeti...

Worried about uranium

mining

It's Up To The People to

Protect Themselves!

Has The Public Had Its

Fill of Uranium Pro-

Mining'...

Water Back on in

Chatham; Still Not

Safe to Drink

URANIUM MINING IN

VIRGINIA?

Proposed Uranium Mine

Spurs Virginia Beach

Resolut...

Ocean Currents Can

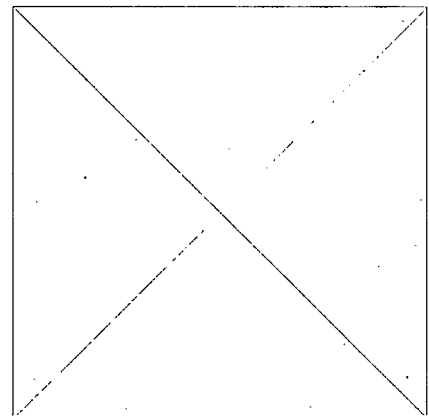
**Power the World, Say
Scientists...**

**Precaution Needed in
Uranium Mining Near
Lake Gast...**

- ▶ **November** (32)
- ▶ **October** (36)
- ▶ **September** (23)
- ▶ **August** (19)
- ▶ **July** (31)
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- ▶ **January** (73)
- ▶ **2007** (61)

Jeffrey City, Wyoming

An Uranium Ghost Town



Uranium

Uranium explores the consequences of uranium mining in Canada. Because of toxic and radioactive waste, there are profound, long-term environmental hazards associated with uranium mining. For miners who work at the sites, there is the substantially increased risk of getting cancer. And, because most of the mining to date has been on land historically used by Canada's Native populations, uranium mining violates the traditional economic and spiritual

lives of many aboriginal people. Given our limited knowledge of the risks associated with uranium mining, this film questions the validity of its continuation.

Director: Magnus Isacsson
Producer: Dale Phillips
Writing: Michael Riordon
Photography: Barry Perles
Sound: Rick Gustavsen
Sound: Clancy Livingston
Sound: Jeremy Sagar
Sound: Yvon Benoît
Editing: Dominique Fortin
Sound: André Chaput
Voice and Narration: Buffy Ste-Marie
Music: Michael Becker

Uranium

1990, Isacsson, Magnus

79 min 19 s

Uranium Mining - We are The ALLIANCE....with SCC and All Concerned Citizens

Single acts of tyranny may be ascribed to the accidental opinion of a day; but a series of oppressions, begun at a distinguished period, and pursued unalterably through every change of ministers, too plainly prove a deliberate systematical job of reducing us to slaves." --Thomas Jefferson

THURSDAY, OCTOBER 30, 2008

Ambrosia Lake (Phillips Petroleum) Mill Site

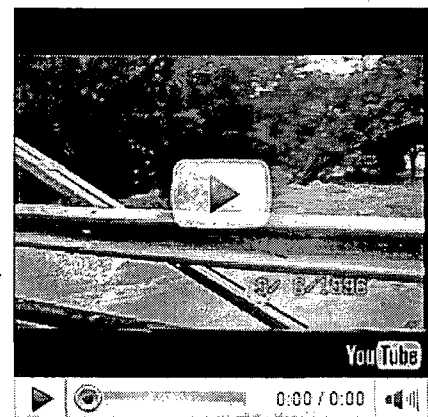
This article and the 2 below it all relate to the same place. This one, from the Dept of Energy, was last modified in October, 2005. The other 2 were written in 2008, the first in March, 2008 and the 2nd in October, 2008. A photo of the tailings mound is above.

Location: The Phillips mill site is located in the Ambrosia Lake Valley about 25 miles north of Grants, New Mexico. It is one of two uranium mills that were operated in the valley. A total of five mills were built between December 1956 and December 1959 in the Ambrosia Lake district of the uranium mining area known as the Grants mineral belt, which extends from near Albuquerque, New Mexico, westward for about 100 miles across the southern margin of the San Juan Basin.

Background: Phillips Petroleum Company began construction of the mill in 1957, and it entered operation in mid 1958. The company had signed a contract with the U.S. Atomic Energy Commission (AEC) in September 1957 for a mill at Grants, New Mexico. The original mill site covered about 200 acres. Over time, about 570 additional acres were impacted by the spreading of radioactively contaminated debris from the mill tailings pile by wind and rainwater erosion. A conventional alkaline leach process was used at the mill from June

Hurricane Fran, Flood Of '96

Raw home video of the flood in the Coles Hill area. TO WATCH THIS VIDEO FULL SCREEN, PRESS PLAY, THEN LEFT DOUBLE CLICK IN THE MIDDLE OF THE SCREEN. THIS WILL TAKE YOU TO YouTube WHERE YOU CAN WATCH IT FULL SCREEN. IT'S MUCH EASIER TO READ THE TRANSITION SCREENS THIS WAY.



Uranium Mines & Mills Throughout The World

What would happen if there was

1958 to April 1963. During its operating years, the mill processed about 1,800 tons of ore per day that averaged 0.23 percent U_3O_8 , and generated some 3 million tons of tailings. Ore for the mill came mainly from underground mines in the Ambrosia Lake district. United Nuclear Fuels Corporation (UNC) purchased the Phillips mill and uranium mine properties in February 1963, and the AEC uranium procurement contract with Phillips was transferred to UNC. In March 1963, ore processing at the Phillips mill was ended and the mill was closed by mid year. In June 1995, UNC arranged for toll milling of its ore at the nearby Homestake-Sapin mill in which UNC was a limited partner. About 400,000 tons of tailings materials from the Phillips mill site were eventually used by UNC for backfilling mines, and in early 1981 about 2.6 million tons of tailings-pile materials remained at the mill site. The tailings lie on unconsolidated valley fill material. A thick, impervious shale formation separates the tailings from the confined groundwater aquifers. Contamination of the aquifers by the tailings material is highly unlikely. The Phillips mill did not operate after March 1963, though it was maintained on a stand-by basis. From the mid 1970s until the Phillips mill site was permanently closed in 1982, a resin ion exchange (IX) plant to recover uranium from waste mine water was operated in the main mill building. This operation did not increase the size of the tailings pile stored at the mill site. The IX product was treated at the nearby United Nuclear-Homestake uranium mill at Grants, New Mexico.

UMTRA Surface Remediation: Phase I remedial activities comprised the construction of decontamination facilities, removal of asbestos materials, demolition of mill buildings, and other site preparation activities. This work was completed between July 1987 and April 1989. In Phase II, contaminated materials, including structural debris from the dismantled mill, soil, and other radioactive materials from the site, were placed in the existing tailings pile. Cleaned up areas were backfilled

massive flooding (such as Hurricane Fran) and Coles Hill had 2 open pits, each as big as what you will see in these photos?



MARK YOUR CALENDARS!

PUBLIC URANIUM MINING & MILLING EDUCATIONAL SEMINARS

November 7th

**TO BE RESCHEDULED
7:30 PM**

Community Center At Chatham
115 S. Main St.
Chatham, VA 24531

We will be sending personal invitations to ALL publicly EIECTED OFFICIALS, County, Towns, and Cities, inviting them to attend. Come & see who shows up! The 1st several rows of the audience area will be reserved for them.

November 8th

7:00 PM

Chatham Community Center
115 S. Main St.

with clean soil, re-contoured for good drainage, and re-vegetated. The north portion of the tailings pile was "folded" onto the top of the south portion of the original pile, burying the contaminated material added to the pile. Cleanup of windblown material began in 1994. During the project, 5 vicinity properties associated with this mill site were cleaned up.

Disposal Area: The final tailings pile, consisting of mill tailings with the added contaminated materials, was stabilized in place and became the site disposal cell. A multilayered soil-and-rock cap varying from 3.5 to 4.0 feet in thickness covers the cell to assure cell longevity, control radon emanation, and protect against erosion: a 2.5 foot thick compacted sandy-clay layer serves as the radon barrier and minimizes rain water infiltration and potential leaching of contaminated material; a 6-inch thick, a granular bedding layer of crushed-stone protects the radon barrier; and an erosion-protection layer of up to 12 inches of riprap material tops the cell. The disposal cell was closed in July 1995. It was licensed by the Nuclear Regulatory Commission (NRC) in September 1998. The Phillips mill site came under a general license for custody and long-term care in 1998, when NRC agreed that the site met the cleanup standards and accepted the proposed long-term surveillance plan.

Responsibility for Remediation: U.S. Government, 90 percent ; State of New Mexico, 10 percent.

Stewardship: The Phillips Ambrosia Lake disposal cell site is being managed under the U.S. Department of Energy's Long-Term Surveillance and Monitoring Program in accordance with the approved site specific plan.

Groundwater Program: No groundwater remediation was performed under the UMTRA program at the Phillips mill site, and none is planned. Groundwater

Chatham, VA 24531

The Dan River Basin

Association is pleased to welcome Douglas M. Brugge, PhD, MS.

Brugge

(pronounced "Briggy") is an Associate Professor in the Department of Public Health and Family Medicine at Tufts University School of Medicine in Boston and his credentials include a PhD in cellular and developmental biology from Harvard University and an MS in industrial hygiene from the Harvard School of Public Health. He also has testified before the House Committee on Oversight and Government Reform about uranium issues (2007).

"Our association is pleased to sponsor presentations by credible experts in science and public health regarding our country's experience with uranium mining," said Katherine K. Mull, executive director of the Dan River Basin Association. "We hope this will be responsive to the needs of residents, businesses and public officials who seek solid information and the opportunity to learn from the experiences of others."

November 14th

7:00 PM

Altavista YMCA

monitoring is not required, as the supplemental standards (Title 10, CFR, Part 192.22) have been applied for this site. The uppermost aquifer at the site is considered a "limited use" aquifer and is not suitable for drinking water nor a source of irrigation water because of low yield.

http://www.eia.doe.gov/cneaf/nuclear/page/umtra/ambrosia_title1.html

Posted by Smidgen at 8:52 PM 

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718 7th St

Altavista VA 24517

We would like to thank the Brotherhood of St. Andrew, the sponsor of this event.

Due to popular demand, The Brotherhood tried to arrange a debate between SCC & VUI for November 21st. VUI declined, but said that they would be happy to do a presentation. The Brotherhood contacted SCC and asked if we would do the same with audience Q & A after, moderated by a neutral party. SCC said yes. VUI declined. They will not share the stage with SCC. Hence, we will present without them on this date.

November 21st

CANCELLED

7:00 PM

Altavista YMCA

718 7th St

Altavista VA 24517

VUI's public presentation

sponsored by the

Brotherhood of St. Andrew. I encourage everyone to attend this public seminar by VUI.

I'm sure it will be very educational. If VUI allows time for an audience Q & A, you may be able to get your questions answered directly by them and from their experts. This is VUI's alternative to sharing the stage with SCC. To hear both sides of the issue, I

**encourage you to attend both
November Altavista YMCA
seminars.**

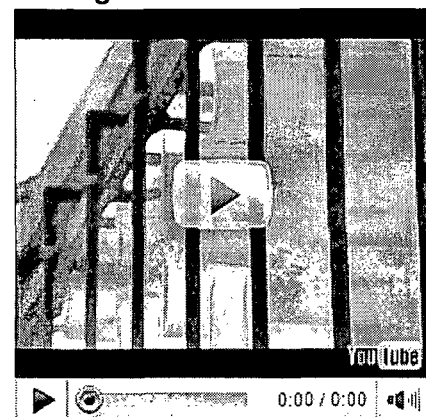
**APPARENTLY THEY DO NOT
WANT TO DO A PUBLIC
PRESENTATION?**

**There Is No Energy
Crisis, There is a Crisis
of Ignorance**

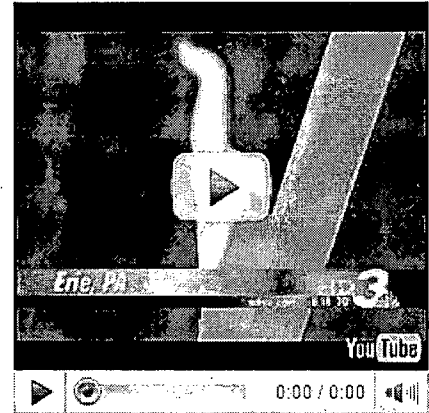


Vertigro

**This is an achievable energy
source WITHOUT fossil fuels,
or the HAZARDS of uranium
mining!**



Salt Water Fuel



HARNESSING THE POWER OF WAVES & TIDES



Alternative Energy: Wave-Powered Ocean Energy Technology



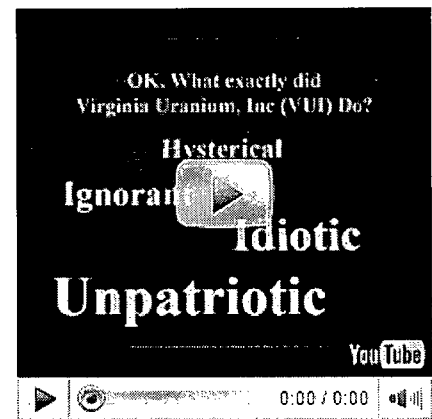
What's Behind Uranium Mining And Milling In Virginia

To watch this movie full screen, click in the center of the player. This will take you to the movie at YouTube. Click the lower right corner of the player at YouTube. This will give you a full screen view.



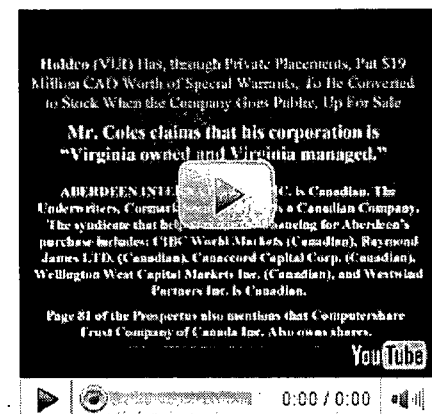
VUI and the General Assembly

To watch this movie full screen, click in the center of the player. This will take you to the movie at YouTube. Click the lower right corner of the player at YouTube. This will give you a full screen view.



Part 3 Candian Company?

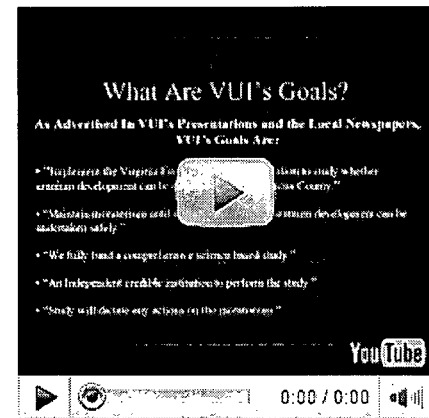
To watch this movie full screen, click in the center of the player. This will take you to the movie at YouTube. Click the lower right corner of the player at YouTube. This will give you a full screen view.



Part 4 - VUI's Advertised Goals

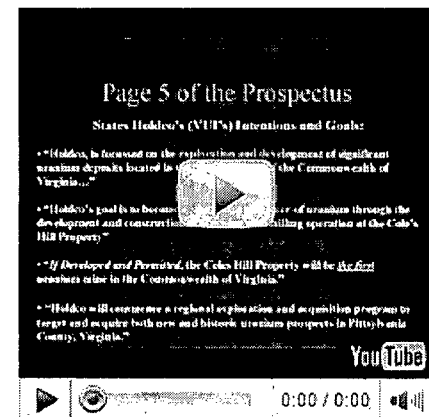
To watch this movie full screen, click in the center of the player. This will take you to the movie at YouTube. Click the lower right corner of the player at YouTube. This

will give you a full screen view.



Part 5 - Vui's True Goals per Their Prospectus

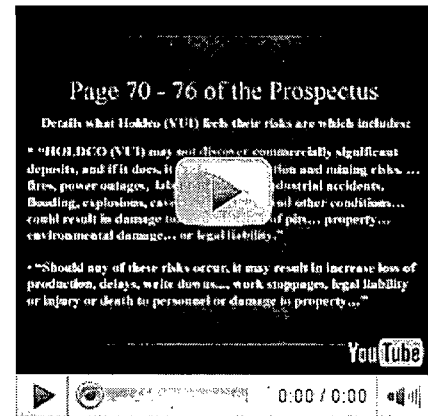
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Part 6 A - VUI's Risks

To watch this movie full screen, click in the center of the player. This will take you to the movie at YouTube.

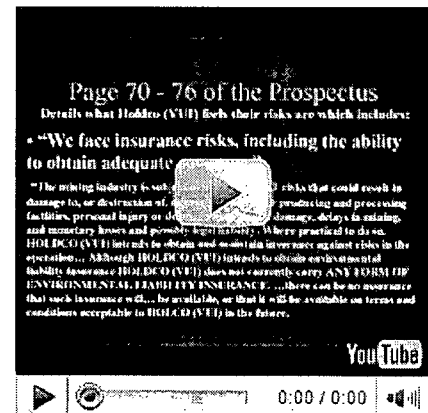
Click the lower right corner of the player at YouTube. This will give you a full screen view.



Part 6 B

To watch this movie full screen, click in the center of the player. This will take you to the movie at YouTube.

Click the lower right corner of the player at YouTube. This will give you a full screen view.



Part 7 - Tech & Types of Mining

To watch this movie full screen, click in the center of

the player. This will take you to the movie at YouTube. Click the lower right corner of the player at YouTube. This will give you a full screen view.



PIT MINING BLASTS

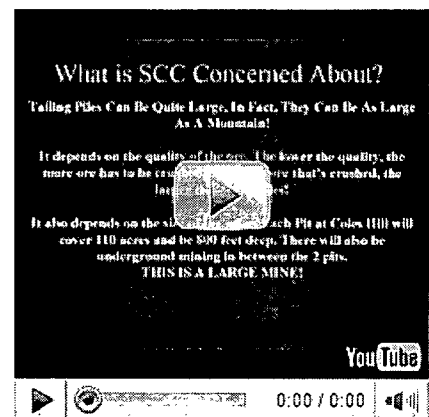
This is how open pit mining is done. This dust will go into our air and settle on our land AND in our water. This is the first step in a chain of events that will pollute our environment. We will breathe, eat, and drink this poison. It will cause cancer and a host of other health problems slowly, over time. The build up of radioactive elements, lead, arsenic, and other heavy metals is accumulative. THIS DUST KILLS! MINING AND MILLING OF URANIUM MUST NEVER HAPPEN IN VIRGINIA!



**CLICK THE MENU BUTTON
ON THE BOTTOM RIGHT OF
THE MOVIE PLAYER
SCREEN TO VIEW A
VARIETY OF CLIPS**

Part 8 A - SCC's Concerns

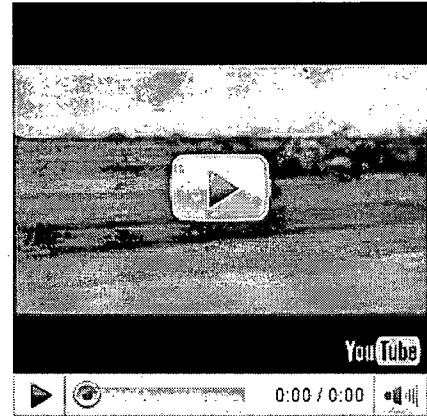
*To watch this movie full
screen, click in the center of
the player. This will take you
to the movie at YouTube.
Click the lower right corner of
the player at YouTube. This
will give you a full screen
view.*



**All That Glitters is not
Gold**

Why is SCC and the Alliance concerned about uranium mining and milling in Virginia? This short film really sums it up! It's about the Olympic Dam uranium mine in South Australia. Their plight mirrors our own if uranium mining and milling EVER takes place in Virginia. URANIUM MINING & MILLING HAS NEVER BEEN DONE SAFELY ANYWHERE IN THE WORLD! WHILE SOME SAY THAT THEY WANT (AND NEED) A "STUDY", THE ONLY TRUE INFORMATION CAN COME FROM WHAT HAS HAPPENED IN THE PAST. Studying "how" to mine and mill uranium in Virginia is much different than studying "should": we mine and mill uranium in Virginia. REMEMBER: All uranium mining and milling has been done with the "latest technology" since its inception. ALL OF THAT TECHNOLOGY HAS FAILED! Since mining and milling has NEVER been done in an area with our population (OVER 500,000 people within 120 miles of the proposed mine and milling operation and many, many more down stream to the Atlantic Ocean) and our net precipitation (greater than evaporation) any "study" of "how" to mine and mill uranium in Pittsylvania County, or anywhere else in Virginia, will be a THEORY. AN EXPERIMENT! Remember your school days? In science class

you posed a theory, then designed an experiment to prove it true or false. THIS EXPERIMENT HAS THE POTENTIAL TO KILL!



Part B - SCC's Concerns

To watch this movie full screen, click in the center of the player. This will take you to the movie at YouTube. Click the lower right corner of the player at YouTube. This will give you a full screen view.



SUBSCRIBE Here and get daily updates (TURN OFF pop up blocker, register, then turn it back

on).

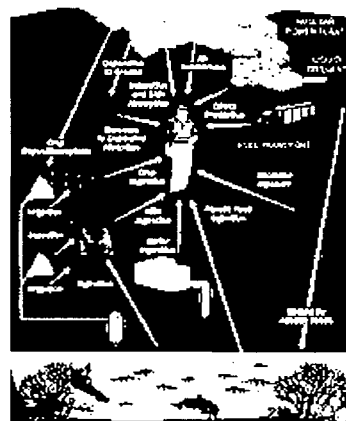
Enter your email address:

Subscribe

Delivered by [FeedBurner](#)

**KEEP UP WITH THE SPOT
PRICE OF URANIUM. CLICK
HERE.**

**How Radiation Gets Into
Your System.**



This is a chart showing you how uranium mining & milling dust and leaching enters our environment causing you to breathe and ingest it.

**RADON QUESTIONS?
ASK RADON DALE!**



1276 Jackson Road • Forest, Va. 24531
Radon Testing and Remediation
www.radonfree.net

CELL (434) 942-9916 Dale Phelps
Toll Free 1-866-45 RADON (434) 525-8941
Email: RadonDale@Verizon.net FAX (434) 525-7387

Call Radon Free or click to visit
their web site

**Links to Other US
Community Fights vs
Uranium Mining**

[CCNR](#)

[CELDF](#)

[Chatham Views](#)

[Coloradans Against
Resource Destruction
\(C.A.R.D.\)](#)

[Defenders of the Black Hills
\(South Dakota\)](#)

[Mining Law Reform](#)

[Nuclear Free NB](#)

[Piedmont Environmental
Council](#)

[Powertech Exposed](#)

[SCC Against Uranium](#)

[Sierra Club Virginia
Chapter](#)

[Southern Environmental
Law Center](#)

[The Goliad Project \(Texas\)](#)

[The Virginia Coservation
Network](#)

[Uranium on the Cranium
Wise Uranium](#)

**WANT ACTION ALERTS
FROM GREGG and The
ALLIANCE? JOIN OUR
LISTSERVE HERE!**

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Wise Uranium Slide Show

Click here to watch a 45 minute slide show that details uranium mining, tailings management, and dangers of mining and milling uranium. As you watch this slide show, keep in mind that the deposit at Coles Hill is estimated to contain 110 MILLION pounds of uranium ore. This means that approximately 74 MILLION POUNDS (30,579 TONS) of waste rock will be produced. This waste rock (Tailings) will have to be contained/disposed of for at least 1,000 years! Wise Uranium Slide Show

Join the Fight!

1. Sign our On-line Petition (below)
2. Vote in our On-line Poll (below)
3. Educate yourself with info here
4. Participate in SCC activities
5. Join our EmailAlert list- email to sccchatham@yahoo.com
6. Tell your legislators what you think (below)

7. Collect signatures on our
Petition(Below, "Links to
Documents")

8. Spread the word

9. **CONTRIBUTIONS NEEDED!**

***Tax-deductible 501 C-3 Non-
Profit***

***Send checks payable
to "Southside Concerned
Citizens", C/O Wallace Nunn,
Treasurer, PO Box 178,
Virgilina, VA 24598-0178***

**What is.....Southside
Concerned Citizens !!!**

**Southside Concerned
Citizens is a 501 (c)-(3) non-
profit corporation formed in
1983 by residents of
Pittsylvania, Halifax, and
Henry counties of Virginia
with the goal of preseving the
quality of life in our
communities.**

**The impetus in 1983, as now,
was the impending desire of
local and multi-national
corporations to mine uranium
in Pittsylvania county,
initially. We oppose this and
any exploratory drilling
because we know that *it
cannot be done safely!***

**We also oppose it because of
*the burden of the
environmental clean-up that
will be placed on our local
communities and state when***

the mine companies cease their operations. We oppose it because of the extremely negative economic and social impact it will have on our fragile local economies. And, we oppose it because of the disastrous effect it will have on the esthetics of our beautiful, bountiful lands. Join us...Stop this madness....Say as we do..."Heck No, We Won't Glow".

Our current Executive Board Chairman is Jack Dunavant of Halifax, VA (jack@halifax.com) and our Treasurer is Wallace Nunn of Halifax, VA (wallace@cstone.net) . Gregg Vickrey of Chatham, VA (sccchatham@yahoo.com) is an Executive Board member and Chairman of the Chatham/Pittsylvania County Chapter of SCC.

GET YOUR "NO URANIUM" WINDOW SIGN HERE

<http://www.mediafire.com/?dntjpziuyiv>

Sign Our On-line Petition! (click link below)

"Heck No, We Won't Glow"

**Example: Open Pit
Uranium Mine, Ranger,
Australia**



Coming Soon to Chatham, VA?

**Yard Signs Signs Now
Available!**

To get your Anti-Uranium
Mining Yard Signs, contact Tim
& Georgie at (434) 432-2380.
\$10 each.

URANIUM---The Movie !!

If you care about Pittsylvania
County.....

If you care about who gets to
make the decisions that affect
you and your family.....

If you care about what all
the "buzz" is about.....

If you care.....

**scroll to the bottom of this
page and take the time to
watch the excellent
documentary, Uranium. It
lasts about 1 hour.**

This movie is presented for

educational purposes only. Do not exhibit this movie commercially without the expressed written permission of the copyright holder. To order this movie, please [click here](#).

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Officials**

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instructions to send your
letter to as many as 17
different newspapers!***

**[http://www.mediafire.com/
?uovnmyp2srt](http://www.mediafire.com/?uovnmyp2srt)**

Poison Dust

It is said "all uranium winds up as weapons". Most people think that this means bombs. Fact is, depleted uranium (DU), the stuff left over from power plants, is used to make many weapons. These weapons kill and destroy cells creating cancer, birth defects, and many other illnesses in our "enemies" AND OUR OWN TROOPS. The dust created by mining and milling uranium does the same things to people at the beginning of the nuclear cycle as it does at the end of the cycle when the DU is used in ammunition. URANIUM AND RADIOACTIVITY IS TRULY THE GIFT THAT KEEPS ON GIVING - FOREVER! Is

nuclear energy really worth all of the death and devastation to the environment? We should be concentrating on wind, solar, and hydro! The following movie, in four parts, will show you what happens to the DU that is not stored at the operating nuclear power plants.



CLICK THE MENU BUTTON ON THE BOTTOM RIGHT OF THE PLAYER TO CYCLE THROUGH THE MOVIES

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River [Nu...

SC DHEC Under Fire;
Keeps Nuclear Leak
Info Secret...

EPA, HAB Concerned
Over DOE Deadlines

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Min...

Plans Mooted For
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Institutes

800,000 People [Take a
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Sides on Uranium

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Worried about uranium
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It's Up To The People to
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Water Back on in
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Jeffrey City, Wyoming

An Uranium Ghost Town



Uranium

Uranium explores the consequences of uranium mining in Canada. Because of toxic and radioactive waste, there are profound, long-term environmental hazards associated with uranium mining. For miners who work at the sites, there is the substantially increased risk of getting cancer. And, because most of the mining to date has been on land historically used by Canada's Native populations, uranium mining violates the traditional economic and spiritual

lives of many aboriginal people. Given our limited knowledge of the risks associated with uranium mining, this film questions the validity of its continuation.

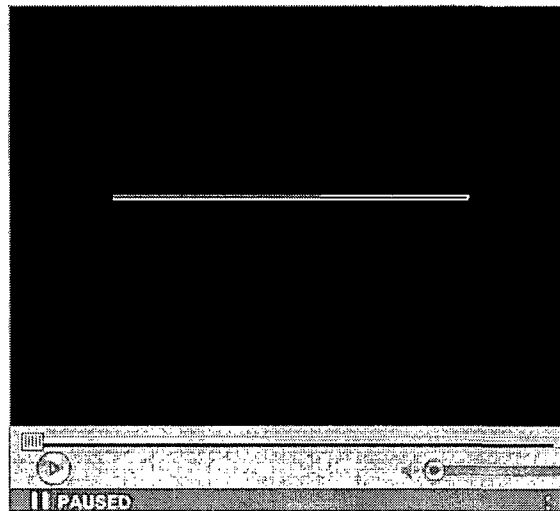
Director: Magnus Isacsson
Producer: Dale Phillips
Writing: Michael Riordon
Photography: Barry Perles
Sound: Rick Gustavsen
Sound: Clancy Livingston
Sound: Jeremy Sagar
Sound: Yvon Benoît
Editing: Dominique Fortin
Sound: André Chaput
Voice and Narration: Buffy Ste-Marie
Music: Michael Becker

Uranium

1990, Isacsson, Magnus

79 min 19 s

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